

detection and processing. Optical system 440 can be any conventional optical system in a print scanner. Similarly, camera system 450 can be any type of camera including, but not limited to, one or more CCD or CMOS cameras.

- Substitute paragraph 73 with the following paragraph:

FIG. 7 is a diagram illustrating an illumination scheme for a print scanner 700 highlighting the effect of a blue/green illumination source on a valley of a finger according to an embodiment of the present invention. Print scanner 700 comprises, *inter alia*, an illumination source 702, a diffuser 704, a prism 706, and a camera 708. A finger 710 is placed on a platen. In this example, the platen is a top outside surface of prism 706 or any other surface that receives illumination from the top of the prism 706. For example, the platen can be a silicone layer or other protective layer or element provided on top of or in optical contact with prism 706.

In the Claims:

Please substitute the following claim 35 for the pending claim 35:

35. (Once Amended) For use in a print scanner, an illumination method for improving a range of grey scale shading, comprising:
emitting light in a blue/green spectrum from a plurality of discrete sources; and
illuminating a platen with at least part of the emitted light in the blue/green spectrum.